

# METHOD AND SYSTEM FOR DETECTING FIRE IN A PREDETERMINED AREA

## Abstract

A method and system for detecting early fires in a predetermined area includes capturing a plurality of images of the predetermined area during an interval for generating a plurality of difference frames, and detecting a number of pixels that have fire characteristics in each difference frame. If the detection result indicates that the flame of the predetermined area substantially increases during the interval, the method outputs an early fire alarm that can provide more time for firefighting. Thus, both early fire detection and reduction of false fire alarms are achieved.